

# **A G E N D A**

## **UTAH BOARD OF WATER RESOURCES**

Department of Natural Resources  
1594 West North Temple  
Salt Lake City, Utah

August 12, 2005

**8:30 a.m.**

I. CALL TO ORDER

II. APPROVAL OF MINUTES - June 16 & 17, 2005

III. CHAIR'S REPORT

IV. FEASIBILITY REPORTS

County

E169 Kingston Irr. Water Co.  
L553 Town of Mantua

Piute  
Box Elder

V. COMMITTAL OF FUNDS

E129 St. George & Washington Canal Co.  
E164 Bryner-Ploutz Ditch Co.  
L547 Centerfield Town

Washington  
Carbon  
Sanpete

VI. SPECIAL ITEMS

E034 City of South Jordan (Withdrawal)

Salt Lake

VII. DIRECTOR'S REPORT

VIII. NEXT BOARD MEETING - September 30, 2005 - Brigham City

IX. ADJOURNMENT

**BRIEFING MEETING AGENDA**

**UTAH BOARD OF WATER RESOURCES**

Red Butte Gardens  
300 Wakara Way  
Salt Lake City, Utah

August 11, 2005

**2:30 p.m.**

- |      |                        |                |
|------|------------------------|----------------|
| I.   | WELCOME/CHAIR'S REPORT | Chairman Flint |
| II.  | DISCUSSION OF PROJECTS | Board/Staff    |
| III. | OTHER ITEMS            |                |

# BOARD OF WATER RESOURCES

## Revolving Construction Fund

### Funding Status

August 12, 2005

Funds Available for Projects This FY \$ 9,125,000

#### Projects Contracted This FY

1

Total Funds Contracted	\$ -
Funds Balance	\$ 9,125,000

#### Projects with Funds Committed

1 Kanab Irr Co	D968		\$ 377,000
2 Kays Creek Irr Co (Adams Dam; Amend)	C001	Grant **	4,000
3 Huntington-Cleveland Irr Co	C024	Grant **	9,000
4 Piute Res & Irr Co (Piute Dam; Amend)	C022	Grant **	142,500
5 Piute Res & Irr Co (Piute Dam; Amend)	C022	Loan **	7,500
6 DMAD Co	C031	Grant **	2,166,000
* 7 Bryner-Ploutz Ditch Co	E164		116,000
Commitments for Dam Safety Studies		**	<u>136,000</u>
Total Funds Committed			\$ 2,958,000
Funds Balance			\$ 6,167,000

#### Projects Authorized

1 Deseret Irr Co	E056		\$ 400,000
2 Hi-Country Estates Homeowners Assn	E127		406,000
3 M&M Irr Co	E136		531,000
4 Lincoln Culinary Water Corp	E165		276,000
* 5 Kingston Irr Water Co	E169		<u>85,000</u>
Total Funds Authorized			\$ 1,698,000
Remaining Funds Available			\$ 4,469,000

\*To be presented at Board Meeting

\*\* Dam Safety Projects

**BOARD OF WATER RESOURCES**

**Cities Water Loan Fund**

**Funding Status**

**August 12, 2005**

Funds Available for Projects This FY	\$ 5,025,000
--------------------------------------	--------------

**Bonds Closed This FY**

Total Bonds Closed	\$ -
Funds Balance	\$ 5,025,000

**Projects with Funds Committed**

1 Centerville City	E155	156,000
2 Kamas City	L550	\$ 1,879,000

Total Funds Committed	\$ 2,035,000
Funds Balance	\$ 2,990,000

**Projects Authorized**

* 1 Town of Mantua	L553	508,000
--------------------	------	---------

Total Funds Authorized	\$ 508,000
Remaining Funds Available	\$ 2,482,000

\*To be presented at Board Meeting

**BOARD OF WATER RESOURCES**

**Conservation & Development Fund**

**Funding Status**

**August 12, 2005**

Funds Available for Projects This FY \$ 21,224,000

**Projects Contracted/Bonds Closed This FY**

1

Total Funds Contracted/Closed	\$ -
Funds Balance	\$ 21,224,000

**Projects with Funds Committed**

1 Lake Creek Irr Co (Ph 1)	E102	\$ 22,500
2 Leeds Water Co	E132	1,006,000
3 Center Creek Culinary Water Co	E020	877,000
* 4 St George & Washington Canal Co (Ph 1&2)	E129	6,600,000
* 5 Centerfield Town	L547	255,000
Total Funds Committed		\$ 8,761,000
Funds Balance		\$ 12,463,000

**Projects Authorized**

1 Strawberry High Line Canal Co	D976	\$ 3,187,000
2 Uintah WCD (Island Ditch)	E036	342,000
3 Richland Nonprofit Water Co	E087	335,000
4 Lake Creek Irr Co (Ph 2)	E102	300,000
5 West Point City	L546	410,000
6 New Escalante Irr Co	E077	300,000
7 St George & Washington Canal Co (Ph 3&4)	E129	4,400,000
8 Santaquin City	E147	1,000,000
9 Ashley Valley Res Co	E145	1,489,000
10 Elwood Town	L549	1,530,000
Total Funds Authorized		\$ 13,293,000
Remaining Funds Available		\$ (830,000)

\*To be presented at Board Meeting

# BOARD OF WATER RESOURCES

August 12, 2005

ADDITIONAL ACTIVE PROJECTS			Fund	Est. Board Cost	Total Cost
<b>Authorized or Committed Projects</b>					
1 Davis & Weber Counties Cnl Co (Ph 4)	D674	C&D		\$ 10,379,000	\$ 12,211,000
2 Weber Basin WCD (Secondary Irr, Ph 3-5)	E029	C&D		27,721,000	32,613,000
3 Davis & Weber Counties Cnl Co(Cnl Rehab)	E035	C&D		15,497,000	18,232,000
4 Hooper Irr Co (Press Irr, Ph 2-4)	E060	C&D		11,772,000	13,850,000
5 City of Cedar Hills	E099	C&D		31,200	31,200
Subtotal				\$ 65,400,200	\$ 76,937,200
<b>Projects Under Investigation</b>					
1 Keith Johnson	D996	RCF		\$ 37,500	\$ 50,000
2 Mayfield Irr Co	E067	RCF		187,500	250,000
3 Rock Dam Irr Co	E083	RCF		37,500	50,000
4 Downs Ditch Water Co	E139	RCF		281,250	375,000
5 Co-Op Farm Irr Co	E140	RCF		374,250	499,000
6 Anderson, Felt, Winters Ditch Co	E141	RCF		148,500	198,000
7 Felt, Peterson, Slater Ditch Co	E142	RCF		148,500	198,000
8 Huntsville South Bench Canal Co	E143	RCF		258,750	345,000
9 Emmertsen Irr Co	E144	RCF		86,250	115,000
10 Huntsville Irr Co	E146	RCF		627,000	836,000
11 Vernon Irr Co	E158	RCF		37,500	50,000
12 West Cache Irr Co	E160	RCF		150,000	200,000
13 Circleville Irr Co	E166	RCF		131,000	611,000
14 Loss Creek Irr Co	E167	RCF		111,000	524,000
15 Greenwich Water Works Co	E171	RCF		112,500	250,000
16 Bullion Creek Irr Co	E172	RCF		75,000	100,000
17 Fountain Green Irr Co	E174	RCF		30,000	40,000
* 18 East Panguitch Irr Co	E175	RCF		375,000	500,000
19 Parowan City	E121	CWL		158,250	211,000
20 Millville City	L548	CWL		1,275,000	1,700,000
21 Town of Vernon	L551	CWL		189,000	252,000
22 Marysvale Town	L552	CWL		131,250	250,000
23 Woodruff Irrigating Co	D680	C&D		600,000	800,000
24 Kane County WCD	D828	C&D		1,500,000	2,000,000
25 Uintah WCD (Leota Bench)	D944	C&D		750,000	1,000,000
26 Gunnison Butte Mutual Irr Co	E004	C&D		10,500,000	14,000,000
27 Hyrum Blacksmith Fork Irr Co	E047	C&D		1,230,000	1,640,000
28 East Juab County WCD	E071	C&D		375,000	500,000
29 Ferron Canal & Res Co	E082	C&D		2,625,000	3,500,000
30 Whiterocks Irr Co	E084	C&D		1,500,000	2,000,000
31 Logan, Hyde Park, Smithfield Canal Co	E096	C&D		1,301,250	1,735,000
32 Newton Water Users Association	E100	C&D		1,001,250	1,335,000
33 Town of Goshen	E109	C&D		240,000	320,000
34 Weber-Box Elder Conservation Dist	E113	C&D		9,750,000	13,000,000
35 Cottonwood Creek Consolidated Irr Co	E125	C&D		3,750,000	5,000,000
36 Alton Farmers Assoc	E128	C&D		1,650,000	2,200,000
37 Huntington-Cleveland Irr Co	E130	C&D		21,299,000	66,090,000
38 Fremont Irr Co	E131	C&D		1,500,000	2,000,000
39 Grantsville Irr Co	E150	C&D		321,000	428,000
40 Dixie Deer SSD	E170	C&D		187,500	250,000
41 Cub River Irr Co	E173	C&D		907,500	1,210,000
Subtotal				\$ 65,950,000	\$ 126,612,000
TOTAL				\$ 131,350,200	\$ 203,549,200

\*To be presented at Board Meeting

## BOARD OF WATER RESOURCES

August 12, 2005

### INACTIVE PROJECTS

---

#### Long Term Large Water Conservation Projects

1 Sanpete WCD (Narrows Dam)	D377
2 Wayne County WCD	D494
3 Cedar City Valley Water Users	D584
4 Bear River WCD	D738
5 Upper Sevier River WCD	E098
6 Central Utah WCD (Prepay FY98,99,00)	D960

BOARD OF WATER RESOURCES

Feasibility Report

Revolving Construction Fund

Appl. No.: **E-169**

Received: 3/9/05

Approved: 4/29/05

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **KINGSTON IRRIGATION WATER COMPANY**

President: Nuel Anderson

LOCATION: The proposed project is located about ¼ mile east of Kingston Town in southern Piute County.

EXISTING CONDITIONS & PROBLEMS: The sponsor delivers agricultural irrigation water from five diversions on the East Fork of the Sevier River to about 1,100 flood-irrigated acres in and around Kingston. Irrigation practices have not changed much since the company was organized over 130 years ago, with water diverted into canals by placing logs and straw bales in the river channel.

In most years the channel at the sponsor's main diversion must be re-armored with large rocks. In addition, the main diversion must be maintained through the year with placement of additional logs and straw bales, which poses a risk of injury to personnel maintaining the diversion and costs about \$4,000 annually.

PROPOSED PROJECT: The sponsor is requesting financial assistance from the board to replace its existing main diversion dam of logs and bales with a concrete structure. It has not yet selected an engineer to complete the design and manage project construction.

The project fits in Prioritization Category 3 (agricultural project that will provide significant economic benefit to area).



COST ESTIMATE: The following cost estimate was prepared by staff:

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Mobilization	LS	\$5,000	\$ 5,000
2.	Removal of Water	LS	5,000	5,000
3.	Excavation	LS	5,000	5,000
4.	Earth & Rock Dike	LS	7,000	7,000
5.	Rock Riprap	LS	10,000	10,000
6.	Meter Station	LS	15,000	15,000
7.	Metal Fabrication	LS	7,000	7,000
8.	Canal Gates	LS	10,000	10,000
9.	Reinforced Concrete	180 CY	500	90,000
10.	Radial Gate Structure	LS	40,000	<u>40,000</u>
Construction Cost				\$194,000
Contingencies				20,000
Legal and Administrative				5,000
Design and Construction Engineering				<u>21,000</u>
TOTAL				\$240,000

COST SHARING & REPAYMENT: The recommended cost sharing and repayment are:

<u>Agency</u>	<u>Cost Sharing</u>	<u>% of Total</u>
Board of Water Resources	\$ 85,000	35%
Upper Sevier River WCD	146,000	61
Sponsor	<u>9,000</u>	<u>4</u>
TOTAL	\$240,000	100%

Upper Sevier River Water Conservancy District will receive its funds (grant) from Central Utah Water Conservancy District through Section 206.

If the board authorizes the project, it is suggested it be purchased with annual payments of \$4,000 at 0% interest over approximately 21 years.

FINANCIAL FEASIBILITY: The annual cost per acre of about \$6.30 to return board assistance (the cost will be apportioned over about 630 acres) is in line with other projects developing no water.

BENEFITS: The project will eliminate \$4,000 in annual construction, operation, and maintenance costs of the main diversion structure, and reduce the risk of injury to company personnel.

PROJECT SPONSOR: The Kingston Irrigation Water Company has been in operation since 1872, was incorporated with the state Department of Commerce in 1976, and is presently registered in good standing with that agency. The company's 1,146 shares of stock are held by 65 shareholders irrigating 1,100 acres; last year's share assessment was \$8.10.

The company has not received assistance from the board in the past.

WATER RIGHTS & SUPPLY: The sponsor's 21.08 cfs right (61-2253; 61-968, a10547) on the East Fork of the Sevier River is described on pages 30-31 of the Cox Decree.

EASEMENTS: No easement or right-of-way acquisition problems are expected.

ENVIRONMENTAL: The project is not expected to cause any permanent, detrimental impact to the environment.

WATER CONSERVATION: The project will not conserve any water.

SPONSOR'S RESPONSIBILITIES: If the board authorizes the proposed project, the sponsor must do the following before construction can begin:

1. Obtain a stream alteration permit from the State Engineer's office.
2. Obtain all easements, rights-of-way, and permits required to construct, operate, and maintain the project.
3. Pass a resolution by the appropriate (as defined in the company's Articles of Incorporation and Bylaws) majority of company stock authorizing its officers to do the following:

- a. Assign properties, easements, and water rights required for the project to the Board of Water Resources.
  - b. Enter into a contract with the Board of Water Resources for construction of the project and subsequent purchase from the Board.
4. Have an attorney give the Board of Water Resources a written legal opinion that:

- a. The company is legally incorporated for at least the term of the purchase contract and is in good standing with the state Department of Commerce.
- b. The company has legally passed the above resolution in accordance with the requirements of state law and the company's Articles of Incorporation and Bylaws.
- c. The company has obtained all permits required for the project.

5. Have an attorney give the Board of Water Resources a written legal opinion that:

- a. The company owns all easements and rights-of-way for the project, as well as the land on which the project is located, and that title to these easements, rights-of-way, and the project itself can be legally transferred to the Board.
- b. The company's water rights applicable to the project are unencumbered and legally transferable to the Board of Water Resources, and that they cover the land to be irrigated by the project.

In lieu of an attorney's opinion, the company may obtain a title insurance policy in the name of the Board of Water Resources for the easements, rights-of-way, land, and water rights necessary for the project.

6. Obtain approval of final plans and specifications from the Division of Water Resources.

7. Prepare a water management and conservation plan for its service area, and obtain approval of it from the Division of Water Resources.

8. Obtain an IRS Employer Identification Number.

PROJECT  
CONTACT  
PEOPLE:

President: Nuel Anderson  
99 North 400 West  
Kingston, UT 84743  
Phone: (435) 577-2897

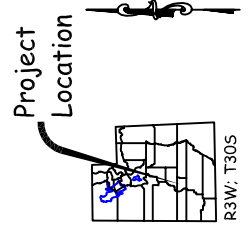
Secretary: Carlos Jessen  
111 South 100 West  
Kingston, UT 84743  
Phone: (435) 577-2967



# KINGSTON IRRIGATION WATER COMPANY Diversion Structure Project Piute County



- Replace Main Diversion Structure
- Existing Diversion Structure



BOARD OF WATER RESOURCES

Feasibility Report

Cities Water Loan Fund

Appl. No.: **L-553**

Received: 4/29/05

Approved: 6/10/05

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **TOWN of MANTUA**

Mayor: Robert Ash

LOCATION: The proposed project is located in Mantua, about five miles east of Brigham City in Box Elder County.

EXISTING CONDITIONS & PROBLEMS: Mantua currently supplies culinary water, through a system rated "Approved" by the Division of Drinking Water, to 233 metered connections (226 residential, 7 commercial) and three unmetered connections (cemetery, park, and a campground). Approximately 50% of the metered connections have access to, and use, ditch water supplied by Mantua Irrigation Company for their irrigation needs. Although the park now uses culinary water, beginning in 2006 it will use pumped irrigation water.

The culinary system is supplied by springs, a well, and an "emergency" connection to one of Brigham City's springs that can be used in case of major disruption of flow from Mantua Town's sources. Storage consists of two tanks holding 500,000 and 150,000 gallons.

Although the town achieved some increase in spring flow in the 1980s and 90s through redevelopment, the flow is highly variable and dependent on snowpack. In addition, during high runoff the spring water contains considerable suspended sediment, forcing the town to turn that source out of the system and rely on its well; the well is pumped to less than its full right due to sanding problems. The emergency connection to Brigham City's system provides some

security, but Mantua desires a permanent solution to its dependence on unreliable springs and a single well, which has necessitated implementation of a building moratorium.

PROPOSED  
PROJECT:

The town is requesting financial assistance from the board to drill and equip a second culinary water well, construct a pump house, and install pipeline to connect the new well to the system. Technical assistance is being provided by Hansen & Associates in Brigham City.

Staff geologists have worked with Hansen & Associates on the proposed well site and concur with it.

The project fits in Prioritization Category 2 (municipal project required to meet existing or impending need).

COST ESTIMATE:

The following cost estimate was prepared by the town's engineer and has been reviewed by staff:

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Test Well	LS	\$ 36,000	\$ 36,000
2.	Production Well			
	a. Drill	LS	248,000	248,000
	b. Equip	LS	34,000	34,000
3.	Pump House	LS	68,000	68,000
4.	Connecting Pipeline	LS	36,000	<u>36,000</u>
Construction Cost				\$ 422,000
Contingencies				42,000
Property Acquisition				12,500
Legal and Administrative				24,500
Design and Construction Engineering				<u>64,000</u>
TOTAL				\$ 565,000

COST SHARING  
& REPAYMENT:

The recommended cost sharing and repayment are:

<u>Agency</u>	<u>Cost Sharing</u>	<u>% of Total</u>
Board of Water Resources	\$ 508,000	90%
Sponsor	<u>57,000</u>	<u>10</u>
TOTAL	\$ 565,000	100%

If the board authorizes the project, it is suggested the bonded indebtedness of \$508,000 be repaid in 20 years at 5% interest with annual payments of approximately \$44,000 (includes reserves).

FINANCIAL  
FEASIBILITY:

Based on the board's water service affordability guidelines, Mantua water users could pay up to \$45.64 monthly for all water. The cost of water with the proposed project, based on 233 connections, is as follows:

	<u>Annual Cost</u>	<u>Cost/Conn/Month</u>
Operation & Maintenance	\$34,200	\$ 12.23
Irrigation Water	1,445	0.52
Existing DWB Loans	33,133	11.85
Existing BWRe Loan	4,900	1.75
Proposed BWRe Loan	<u>44,000</u>	<u>15.74</u>
TOTAL	\$117,678	\$42.09

Current monthly culinary water rates are \$18.00 for the first 10,000 gallons, and \$0.85 per thousand gallons above that.

Those with Mantua Irrigation Company shares pay \$30/year for 1-12 shares; extra shares can be leased, when available, for \$1.50/year. Town users presently hold 522 regular and 93 extra shares.

BENEFITS:

The project will provide Mantua an additional, dependable water source that will allow it access to flows equal to its rights. The town will be able to lift the building moratorium, opening the way for residential and commercial growth.

PROJECT  
SPONSOR:

The Town of Mantua was incorporated in 1911 and has experienced a modest average annual growth of 2.3% in culinary water connections since 1979. The state Office of Planning and Budget projects the town population, presently 800, will increase an average of 2.0% annually through 2030.

Mantua has had two previous projects with the board. It received \$40,000 in 1979 to replace the pipe connecting its storage tanks; that 0% interest loan is paid off. The town received about \$55,000 in 1992 to redevelop springs and replace pipe between them;



\$4,900 annual payments are being made to the board through 2012 at 5% interest.

WATER RIGHTS  
& SUPPLY:

The town is allowed to withdraw up to about 750 gpm (1.67 cfs) from the following:

<u>Source</u>	<u>Flow (cfs)</u>	<u>WRNUM</u>	<u>Type</u>
Well	1.000	29-1241	WUC
Upper Mantua Spring	0.067	29-2569	Diligence
Lower Mantua Spring	0.044	29-2418	Diligence
Flume Hollow Spring	0.990	29-2625	Diligence
Unnamed Spring	0.134	29-1123	WUC

The town is restricted to 0.8-0.9 cfs from the well due to sanding problems.

A share of ditch water in Mantua Irrigation Company entitles the holder to 1/2 hour of water per week apportioned according to available flow. One holding ten shares then, for example, would be able to water five hours per week.

EASEMENTS:

The preferred well site is on private property whose owner will either sell or lease it to the town.

ENVIRONMENTAL:

No harmful environmental impact is expected.

WATER  
CONSERVATION:

The use of ditch irrigation water by about half the town's culinary connectors reduces the amount of culinary water used; a further reduction will occur beginning next year when the town park irrigation will switch from culinary to irrigation water.

As conditions of project funding, the town will be required to submit a Water Management and Conservation Plan to the division for review and approval, and adopt an ordinance prohibiting pressurized irrigation of landscapes between the hours of 10:00 a.m. and 6:00 p.m. Staff also suggests the town investigate implementing a progressive overage rate schedule.

SPONSOR'S  
RESPONSIBILITIES:

The town will be required to make all arrangements to sell the board a non-voted revenue bond as well as verify it has adequate water rights and rights-of-way

to construct the project. If the project is authorized, a list of requirements and procedures necessary to close the loan will be furnished to the town.

PROJECT  
CONTACT  
PEOPLE:

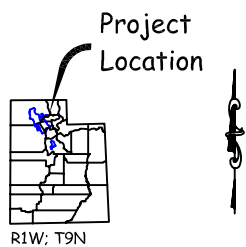
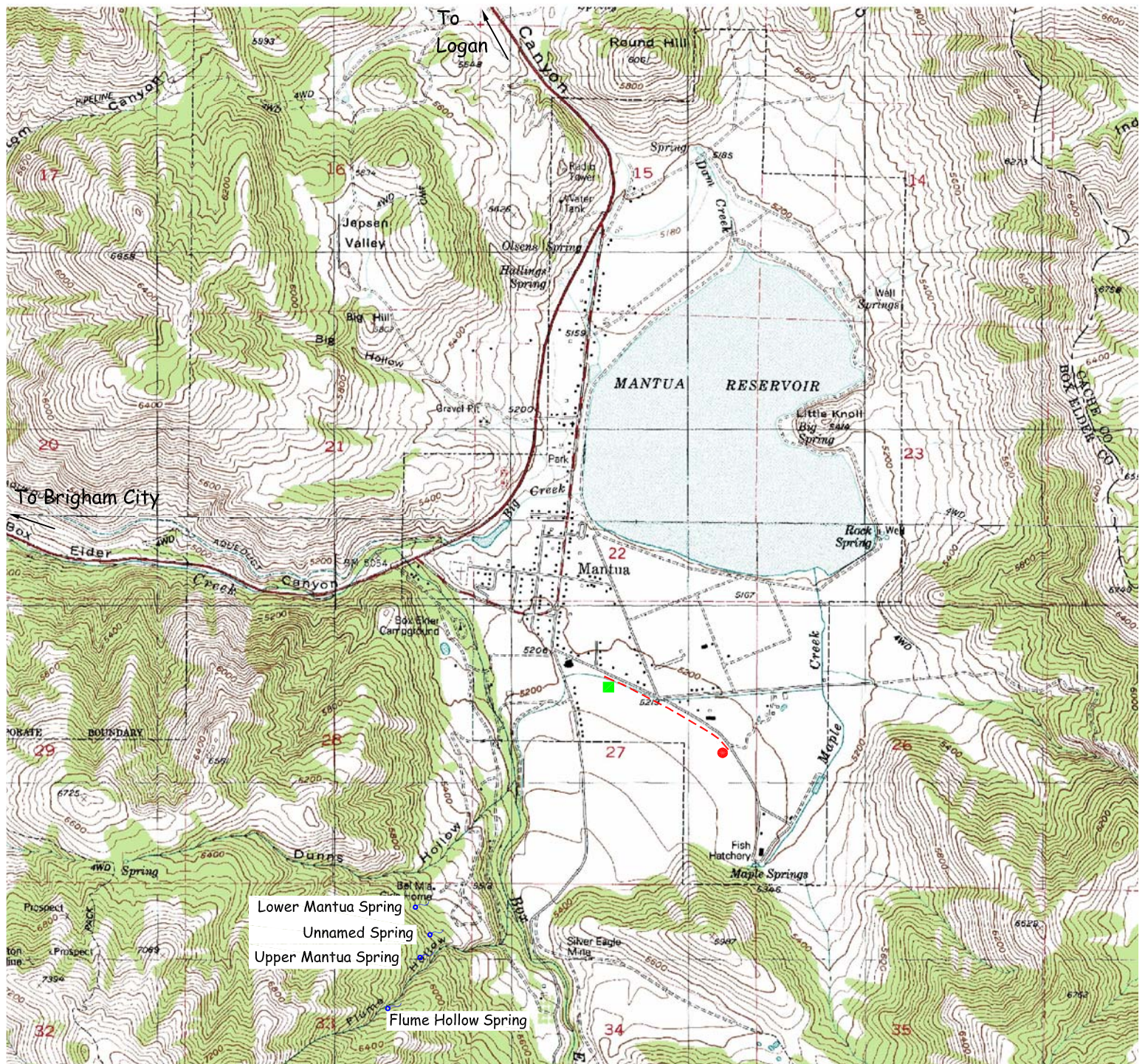
Mayor:

Robert Ash  
409 North Main  
Mantua, UT 84302  
Phone: (435) 723-2629

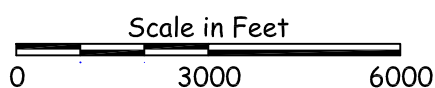
Engineer:

Hansen & Associates, Inc.  
538 North Main  
Brigham City, UT 84302  
Phone: (435) 723-3491





# TOWN OF MANTUA Culinary Water Well Project Box Elder County



- Existing Springs
- Existing Culinary Well
- Proposed Culinary Well
- Proposed Transmission Pipeline



BOARD OF WATER RESOURCES

Committal of Funds

Conservation and Development Fund

Appl. No.: **E-129**  
Received: 1/22/04  
Approved: 3/11/04  
Authorized: 8/13/04

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **ST. GEORGE AND WASHINGTON CANAL COMPANY**

President: Jeff Morby  
114 Brigham Road, Suite D4  
St. George, UT 84790  
Phone: (435) 673-6172

LOCATION: The proposed project is located east and south of St. George and Washington cities in Washington County.

PROJECT SUMMARY: The board authorized a multi-phase project to replace the nearly ten-mile long, 125-65 cfs capacity, concrete-lined St. George and Washington Canal with a pipeline. The first 4,800 feet of HDPE pipeline (Phase I) has been installed with funds obtained by the sponsor. It is now ready to proceed with Phase II and feels about 5 1/2 miles of HDPE pipe can be installed in the upcoming construction season.

COST ESTIMATE & SHARING: The cost estimate and sharing for the entire project and for Phases I and II are:

<u>Agency</u>	<u>Authorized Cost Sharing</u>	<u>Phases I-II Cost Sharing</u>	<u>% of Total</u>
Board of Water Res.	\$11,000,000	\$6,600,000	75%
Sponsor	<u>3,670,000</u>	<u>2,200,000</u>	<u>25</u>
TOTAL	\$14,670,000	\$8,800,000	100%

The \$2.2 million sponsor cost sharing includes a \$1.3 million federal grant for Phase I; the sponsor hopes to receive additional federal grant funds.

PURCHASE  
AGREEMENT:

The purchase agreement authorized by the board requires the \$11,000,000 to be returned in 30 years at 1% interest the first fifteen years, 2% interest the next eight, and 3% interest the last seven. Annual payments are to start at \$200,000 and increase up to 5.4% each year to a final payment of about \$920,000. If the board commits funds to Phases I and II, it is proposed the \$6,600,000 be returned in 30 years at the interest rates stated above with annual payments starting at \$120,000 and increasing up to 5.4% each year to a final payment of about \$550,000.

BOARD OF WATER RESOURCES

Committal of Funds

Revolving Construction Fund

Appl. No.: **E-164**  
Received: 1/25/05  
Approved: 3/10/05  
Authorized: 6/10/05

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **BRYNER-POUTZ DITCH COMPANY**

President: Steven Giacoletto  
101 West 200 North  
Helper, UT 84526  
Phone: (435) 472-8782

LOCATION: The proposed project is located north of Helper in Carbon County.

PROJECT SUMMARY: The sponsor is requesting financial assistance from the board to construct a pumped pressurized irrigation system to serve 67 agricultural acres.

COST ESTIMATE & SHARING: The proposed cost estimate and sharing remain the same as authorized:

<u>Agency</u>	<u>Cost Sharing</u>	<u>% of Total</u>
Board of Water Resources	\$ 116,000	71%
NRCS Grant (EQIP)	43,000	26
Sponsor	<u>5,000</u>	<u>3</u>
TOTAL	\$ 164,000	100%

PURCHASE AGREEMENT: If the board commits funds to the project, it is proposed the purchase agreement remain as authorized: the project will be purchased with annual payments of \$4,700 at 0% interest over approximately 25 years.

BOARD OF WATER RESOURCES

Committal of Funds

Conservation and Development Fund

Appl. No.: **L-547**  
Received: 3/17/03  
Approved: 4/25/03  
Authorized: 9/19/03  
Reauthorized: 6/10/05

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **CENTERFIELD TOWN**

Mayor: Darwin Jensen  
130 South Main  
P.O. Box 220200  
Centerfield, UT 84622  
Phone: (435) 528-3296

LOCATION: The proposed project is located in and around Centerfield, about two miles south of Gunnison in Sanpete County.

PROJECT SUMMARY: The town is requesting financial assistance from the board to improve its culinary water system by constructing a 500,000 gallon storage tank and installing a booster pumping station, seven miles of distribution pipeline, 32 fire hydrants, and 70 service connections. Centerfield's system will also be regionalized by tying Mayfield Town into it.

COST ESTIMATE & SHARING: The proposed cost estimate and sharing remain the same as authorized:

<u>Agency</u>	<u>Cost Sharing</u>	<u>% of Total</u>
Board of Water Resources	\$255,000	10%
USDA Rural Develop. Grant	950,000	36
USDA Rural Develop. Loan	400,000	15
CIB Grant	550,000	21
CIB Loan	302,000	11
Sponsor	<u>191,000</u>	<u>7</u>
TOTAL	\$2,648,000	100%

REPAYMENT:

If the board commits funds to the project, it is proposed the repayment terms remain as reauthorized: the bonded indebtedness of \$255,000 will be repaid in 25 years at 1% interest with annual payments ranging from approximately \$4,600 to \$24,200.



BOARD OF WATER RESOURCES

Special Item

Withdrawal

Conservation and Development Fund

Appl. No.: **E-034**

Received: 5/31/00

Approved: 6/16/00

To be Presented at the August 12, 2005 Board Meeting

SPONSOR: **CITY OF SOUTH JORDAN**

Mayor: Kent Money  
1600 W. Towne Center Drive  
South Jordan, UT 84095  
Phone: (801) 254-3742

LOCATION: The project was to be located in South Jordan in southern Salt Lake County.

SUMMARY: The city requested assistance from the board to install a city-wide pressurized irrigation system. Because federal funds it also applied for were unobtainable in an amount needed to make the project feasible, the city requests its application to the board be withdrawn from further consideration.

BOARD OF WATER RESOURCES

Application Summary

Appl. No. **E-175**

Received: 7/18/05

SPONSOR: **EAST PANGUITCH IRRIGATION COMPANY**

President: John Orton  
51 North 300 East  
Panguitch, UT 84759  
Phone: (435) 676-8148

LOCATION: The proposed project is located a mile southeast of Panguitch in Garfield County.

PROPOSED PROJECT: The sponsor is requesting assistance to reconstruct its diversion structure on the South Fork of the Sevier River, including stabilizing adjacent river banks and building a construction access road to the site.

WATER RIGHTS: From pages 9-11 of the Cox Decree:

- Primary Right 23.74 cfs
- Second Class Right 4.95 cfs
- Third Class Right 1.00 cfs

COST ESTIMATE: \$500,00

BOARD OF WATER RESOURCES

Application Summary

Appl. No. **L-554**

Received: 8/1/05

SPONSOR: **LINDON CITY**

Mayor:

Jeff Acerson

100 North State

Lindon, UT 84042

Phone: (801) 785-5043

LOCATION: The proposed project is located in Lindon, between Orem and Pleasant Grove in Utah County.

PROPOSED PROJECT: The city is requesting assistance to replace a half-mile of 10-inch steel, culinary water pipeline with 12-inch ductile iron, and install new fire hydrants.

WATER RIGHTS: The city has numerous well and spring rights.

COST ESTIMATE: \$270,000

Tour of the West Desert  
June 9, 2005

Attendees:

Larry Anderson, Director  
Dennis Strong, Deputy Director  
Eric Millis, Asst. Director  
Steve Wilde, Chief, Investigations  
Randy Staker, Accountant  
Dan Aubrey, Chief Geologist  
Ken Short, Sr. Engineer  
Geralee Murdock, Administrative Secretary

Darin Bird, Deputy Director, Department of Natural Resources  
Robin Thomas, Public Affairs, Dept. of Natural Resources

Ivan Flint, Chairman, Board of Water Resources  
Brad Hancock, Vice-chairman  
Paul McPherson  
George Harmond, Jr.  
Blair Francis  
Warren Peterson  
John Carman  
Harold Shirley

The group met at the Best Western Motor Inn in Delta at 7:30 a.m. and climbed in three vans and headed towards the DMAD (Delta, Millville, Abraham and Deseret) Dam and Reservoir. Jerry Skeem of DMAD boarded the van and informed the Board of the history of the DMAD companies. The group was met by a group of DMAD members who informed them of the necessary repairs to the dam to meet dam safety requirements. Warren Peterson pointed out the location of the sand boils in the canal downstream of the reservoir that is the most imminent concern. Phase II of the dam repair will be an additional spillway to allow for the inflow design flood. Mr. Peterson informed the group of the 1983 flood that washed out the spillway at DMAD and then went on to damage Gunnison Bend Reservoir. Clyde Bunker handed out a card to each person with a trilobite and said people come from all over the world to collect the trilobites. The group boarded the vans and proceeded to Gunnison Bend Reservoir.

Dan Aubrey, division chief geologist explained the geology of the area as they left Gunnison Bend Reservoir and headed toward the small religious community of Eskdale. At Eskdale the group went into the church house where they were met by concerned citizens regarding the Southern Nevada Water Authority (SNWA) proposal to drill wells in White Pine County Nevada. Jerald Anderson explained the local citizen's feelings regarding this proposal and how it would negatively affect the groundwater in the Snake Valley area. Dean Baker, who has acreage both in Nevada and Utah also expressed his feelings, and said these small communities have limited resources compared to the SNWA.

Director Anderson explained the Utah State Engineer has been given the authority to work with Nevada on this proposal. He said Snake Valley is Segment 8, which is the only segment the Utah State Engineer has authorization for. The Utah Geological Society is involved in studying the area. Mr. Anderson said about three weeks ago the county commissioners all met with Governor Huntsman and expressed their concerns on what Nevada wants to do.

After leaving Eskdale the vans drove to Gandy where Mr. Gerald Bates took the group to the Warm Spring area and said the Nevada wells could negatively impact the springs.

The vans drove to Partoun to the West Desert High School where the group was met by principal, Ed Alder who showed the group the high school and then they went into the multi-purpose room and ate sandwiches, chips and cookies brought from Delta. Allen Johnson met the Board at the high school and explained the Board sponsored the Callao Irrigation Co. project. Mr. Johnson rode with the group to Callao where they saw his cattle ranch and home.

The group then went to Fish Springs where they were met by Travis Carpenter who works for the U.S. Fish & Wildlife Service. He said Fish Springs was created in 1929 as a refuge for migratory birds and as a nesting habitat. The vans drove around the refuge and saw the area.

The vans returned to Delta and arrived at approximately 5:15 p.m.

MINUTES OF THE  
BOARD OF WATER RESOURCES  
BRIEFING MEETING  
June 9, 2005

Waddingham-Peterson Law Office  
362 West Main  
Delta, Utah

MINUTES OF THE  
BOARD OF WATER RESOURCES  
BRIEFING MEETING  
June 9, 2005

Those Present

Ivan Flint, Chair  
Brad Hancock, Vice-chair  
Paul McPherson  
George Harmond, Jr.  
John Carman  
Blair Francis  
Warren Peterson  
Harold Shirley

D. Larry Anderson, Director  
Dennis Strong, Deputy Director  
Eric Millis, Asst. Director  
Steve Wilde, Chief, Investigations  
Geralee Murdock, Administrative Secretary

Chair Ivan Flint welcomed everyone to the meeting.

Director Anderson said it was good to tour the Snake Valley and hear the local people's concerns about Nevada drilling wells across the state line, however there is not a lot the state of Utah can do if the Southern Nevada Water Authority wants to drill wells in Nevada. He said a representative from the Southern Nevada Water Authority will attend the Board meeting on Friday to explain what it is proposing. He said Governor Huntsman's position is a decision that will be made on facts.

Warren Peterson suggested a resolution be prepared supporting the local Snake Valley residents' position. Chair Flint asked Warren Peterson to prepare a resolution so it can be approved by Mike Styler and ready for the next Board of Water Resources meeting.

#### Discussion of Projects

##### Bryner-Ploutz Ditch Co.

The ditch company is requesting financial assistance to construct a pumped pressurized irrigation system to serve its 67 agricultural acres. Mr. Harmond said it wasn't entirely clear that everyone on the ditch is behind the project. Steve Wilde replied a stockholders vote will have to take place before funds will be committed.

##### Kamas City

The Board authorized a culinary water system improvement project for Kamas City voting to provide \$1.17 million to be repaid in 18 years at 4.5% interest. Kamas subsequently decided to expand its project by just under \$1 million and approached the Community Impact Board (CIB) June 2 requesting funding to be repaid over more years at a lower interest rate than 4.5%. Brad Hancock, Board of Water Resources member who sits on the CIB, said the CIB tabled the request and asked Kamas City to return to the Board of Water Resources for further consideration. The city will be represented at the Board meeting on Friday.

##### Centerfield Town

Steve Wilde reported the Board authorized a project for the town in 2003 to improve both its culinary water and secondary irrigation systems; the town is now requesting financial assistance to construct only culinary system improvements, however. Staff determined the project was different enough and should be considered for reauthorization even though the town is requesting the same amount (\$255,000) from the Board.



### DMAD Company

The company is requesting financial assistance to upgrade DMAD dam to meet current state dam safety standards. It is proposing the project be constructed in two phases – Phase I will consist of an earth stability berm on the downstream face of the embankment plus a toe drain, and Phase II will consist of improvements to the spillway. Although staff recommends the Board provide a 90% grant, the company will request a 95% grant to match what other Sevier basin dam owners have received.

### Other Items

Director Anderson said Blair Francis will be making a motion in the Board meeting to reappoint Charles Holmgren as the Lower Bear River Commissioner and Joseph Larsen as an alternate to the Bear River Commission.

Meeting adjourned at 6:10 p.m.

*Unapproved*  
MINUTES OF THE  
BOARD OF WATER RESOURCES  
MEETING  
June 10, 2005

Millard County Office  
71 South 200 West  
Delta, Utah

## TABLE OF CONTENTS

	<u>page</u>
SUMMARY OF BOARD ACTIONS .....	ii
THOSE PRESENT .....	iii
APPROVAL OF MINUTES .....	1
CHAIR’S REPORT .....	1
SOUTHERN NEVADA WATER AUTHORITY PIPELINE PROPOSAL .....	1
FEASIBILITY REPORTS	
#E-164 Bryner-Ploutz Ditch Co.....	2
COMMITTAL OF FUNDS	
#L-550 Kamas City.....	2
SPECIAL ITEMS	
#E-133 Mower Ditch Co.....	3
#L-547 Centerfield Town .....	3
DAM SAFETY CONSTRUCTION	
#C-031 DMAD Company.....	4
DIRECTOR’S REPORT.....	4
NEXT BOARD MEETING .....	5

## SUMMARY OF BOARD ACTIONS

1. The Minutes of the June 9 and 10, 2005 Board meeting were approved as prepared. page 1
2. The Bryner-Ploutz Ditch Co. project was authorized in the amount of \$116,000 (71%) to returned with annual payments of \$4,700 at 0% interest over approximately 25 years. page 2
3. The Board committed funds in the amount of \$1.879 million (82%) to Kamas City at 3 % interest over 25 years. page 3
4. The Board withdrew the Mower Ditch Co. application from further consideration by the Board. page 3
5. The Centerfield Town project was reauthorized in the amount of \$255,000 (10%) to be repaid in 25 years at 1% interest with payments ranging from approximately \$4,6700 to \$24,200. page 4
6. The Board provided a grant to the DMAD Company in the amount of \$2.166 million (95%) for dam safety upgrades. page 4
7. The Board reappointed Charles Holmgren and Joseph Larsen as Lower Bear River commissioner and alternate on the Bear River Commission. page 4

## THOSE PRESENT

The Utah BOARD OF WATER RESOURCES met in regular session on Friday, June 10, 2005 at the Millard County Office, 71 South 200 West, Delta, Utah. Chair Ivan Flint presided over the 8:30 a.m. meeting.

### BOARD MEMBERS PRESENT:

Ivan Flint, Chair  
Brad Hancock, Vice-chair  
John R. Carman  
Blair Francis  
Warren Peterson  
Harold Shirley  
George Harmond, Jr.  
Paul McPherson

### STAFF MEMBERS PRESENT:

D. Larry Anderson, Director  
Dennis Strong, Deputy Director  
Eric Millis, Asst. Director  
Steve Wilde, Chief, Investigations  
Dan Aubrey, Chief, Geologist  
Ken Short, Sr. Engineer  
Randy Staker, Accountant  
Geralee Murdock, Administrative Secretary

### OTHERS PRESENT:

John Cooper, Commissioner, Millard County Commission  
Dean Baker, Baker Ranches Inc.

Kay Brothers, Deputy General Manager, Southern Nevada Water Authority  
Ken Albright, Director SNWA Resources, Southern Nevada Water Authority  
Jeff Johnson, Senior Hydrologist, Southern Nevada Water Authority  
Marcus Faust, Attorney, SNWA  
R. Michael Turnipseed, President, Turnipseed Engineering Ltd.

Steven Giacoletto, President, Bryner-Ploutz Ditch Co.  
Lyle Jones, Bryner-Ploutz Ditch Co.

OTHERS PRESENT CONT'D.

Lewis Marchant, Mayor, Kamas City  
Scott Kettle, Project Engineer, Horrocks Engineers

Darwin Jensen, Mayor, Centerfield Town  
John Iverson, Sunrise Engineering

Lon Jackson, President, DMAD Company  
Blaine Ipson, Water Manager, DMAD Company  
Clyde Bunker, President, Melville Irrigation Co.  
Dallas J. Anderson, Vice-Pres. Deseret Irrigation Co.  
Craig Bagley, Water Resources Engineer, Bowen, Collins & Associates  
Phil Gerhart, President, Gerhart Consultants, Inc.

MINUTES  
BOARD OF WATER RESOURCES MEETING  
June 10, 2005

Chair Flint welcomed everyone to the meeting.

APPROVAL OF MINUTES

Warren Peterson made the motion, seconded by George Harmond, Jr. to approve the minutes of the April 29, 2005 meetings as prepared. The Board agreed unanimously.

CHAIR'S REPORT

Chair Flint thanked the DMAD Company for its hospitality during the tour and also for providing dinner for the Board and staff on Thursday, June 9. He also expressed appreciation to Warren Peterson and Dennis Strong for arranging the tour of the Snake Valley area.

Chair Flint said it would be an honor to serve the Board as chair with Brad Hancock as the vice-chair. He then presented out-going chair, Harold Shirley, with his name-engraved gavel and said what a great job he did.

SOUTHERN NEVADA WATER AUTHORITY PIPELINE PROPOSAL

Chair Flint asked Kay Brothers to introduce the group from the Southern Nevada Water Authority (SNWA). Ms. Brothers introduced Ken Albright, Director of Resources; Jeff Johnson Sr. Hydrologist; Mike Turnipseed, former Nevada State Engineer; and Marcus Faust.

Ken Albright gave the history of the SNWA and an overview of the SNWA proposal to drill wells in east central Nevada and pipe the water to Las Vegas. Marcus Faust discussed the Lincoln County Lands Act and stated the bill does not impact White Pine County or Snake Valley. It only grants rights-of-way in Lincoln County and in Clark County. As a component of this legislation a study will be conducted by the USGS, Desert Research Institute, and the Utah State Engineer to investigate groundwater quantity and quality and characteristics in the aquifer. Jeff Johnson said the Nevada State Engineer's Office is cooperating with the SNWA. Kay Brothers concluded by saying the SNWA is committed to protecting the environment and resources in Nevada and in Utah. She said the Colorado River Basin States told Nevada they would help them out on a temporary basis but Nevada has to develop its own instate resources. This proposal is one way Nevada can develop its resources.

Director Anderson said in meetings yesterday with concerned citizens in the Snake Valley area they questioned whether there was enough groundwater in Snake Valley to meet both the local needs and those of the SNWA. He asked how Ms. Brothers was going to address

this to satisfy these local folks. She said that if the water level in local wells go down the SNWA would pay the cost to deepen the wells and pay any additional cost to pump them. SNWA would mitigate the impacts; it would insure existing water rights would not be impacted. She said the groundwater model that is being created as part of the EIS, is a tool that will give an indication of where to extract the water. Warren Peterson expressed several concerns of the Snake Valley folks. Ms. Brothers tried to reassure him the impact should be minimal, and that the SNWA would mitigate the impacts.

Chair Flint thanked the group for their presentation. Director Anderson also expressed appreciation.

## FEASIBILITY REPORTS

### #E-164 Bryner-Ploutz Ditch Co.

Chair Flint introduced Steven Giacoletto and Lyle Jones. Steve Wilde reported the company provides irrigation water to 67 agricultural acres and 30 residences in Helper. The irrigation operation is inefficient and requires considerable management. The company is requesting financial assistance to construct a pumped pressurized irrigation system. Technical assistance is being provided by the Natural Resources Conservation Service in Price.

The estimated cost of the project is \$164,000. The project will develop approximately 80 acre-feet annually through increased irrigation efficiency, reduce system maintenance time and expense, and reduce salt loading of the Colorado River system by about 300 tons annually.

Mr. Giacoletto said the company's irrigation system has been inefficient for years. Lyle Jones said in the future the company hopes to get Helper City involved so it would make the system more complete.

George Harmond, Jr. made the motion to authorize the Bryner-Ploutz Ditch Co. project in the amount of \$116,000 (71%) to be returned with annual payments of \$4,700 at 0% interest over approximately 25 years. John Carman seconded the motion and it was unanimously agreed upon by the Board.

## COMMITTAL OF FUNDS

### #L550 Kamas City

Chair Flint introduced Mayor Lewis Marchant and Scott Kettle of Horrocks Engineers. Steve Wilde reported the Board authorized \$1.17 million for the culinary water system improvement project in January, to be repaid in 18 years at 4.5% interest. On June 2, Kamas met with the Community Impact Board (CIB) to request better repayment terms for an expanded project to cost \$928,000 more. The CIB put the project on its "Pending" list and recommended Kamas return to the Board for further consideration.



Mayor Marchant said after the city met with the Board an annexation was approved, and therefore an expanded project was necessary. The city consulted with a financial consultant from Zions Bank who said because of the expanded project, the city could not afford the interest rate (4.5%) that the Board had authorized, and that is when Kamas decided to present its project to the CIB.

Brad Hancock, who represents the Board of Water Resources on the CIB, said that although the expanded project is a good thing with Kamas looking into the future, the city's ability to pay would be beyond the Board's affordability guideline. He asked the city if it would consider its \$1.879 million loan request from the Board, for 25 years at 3% interest. After the mayor said he thought the city could do it, Mr. Hancock made the motion to commit funds at \$1.879 million (82%) to be repaid at 3% interest over 25 years. Warren Peterson seconded the motion and the Board agreed unanimously.

## SPECIAL ITEMS

### #E-133 Mower Ditch Co.

The Mower Ditch Company requested assistance to replace about a mile of irrigation ditch with 21-inch PVC pipeline. Because its majority stockholder decided against incurring any debt to construct the project, the company requested its application be withdrawn. Warren Peterson made the motion the Mower Ditch Co. project be withdrawn from further consideration by the Board. Blair Francis seconded the motion and it was unanimously agreed upon by the Board.

### #L-547 Centerfield Town

Chair Flint introduced Mayor Darwin Jensen and John Iverson from Sunrise Engineering. Steve Wilde reported the Board authorized a project in the fall of 2003 which included culinary/secondary improvements for Centerfield, however the culinary/secondary project will now not be built in its entirety because test wells drilled to locate a culinary source found water that exceeded the maximum contaminant level in nitrate and also because of cost factors. The town is now requesting financial assistance to construct only culinary system improvements, which will be expanded (from authorized scope) to regionalize the system by tying Mayfield Town into it. Technical assistance is being provided by Sunrise Engineering in Fillmore. The estimated cost of the project remains at \$2.648 million, and the cost sharing is the same as previously authorized.

Mayor Jensen thanked the Board for reconsidering its application and explained the town's problems. Director Anderson asked Dan Aubrey to explain the nitrate problem. Mr. Aubrey said nitrates are one of the few contaminants that occur in water that is primarily not due to a natural source. He said it was puzzling as the wells that are contaminated are in areas where

the source cannot be pinpointed. He also said the wells are so widely spaced on opposite sides of the valley that it will be difficult to find a place to drill a well that is not impacted by the nitrates.

Warren Peterson made the motion, seconded by George Harmond, Jr. to reauthorize the Centerfield Town project in the amount of \$255,000 (10%) to be repaid in 25 years at 1% interest with payments ranging from approximately \$4,600 to \$24,200. The Board unanimously agreed.

## DAM SAFETY CONSTRUCTION

### #C-031 DMAD Company

Chair Flint introduced Lon Jackson, Phil Gerhart, Clyde Bunker, Dallas Anderson, Craig Bagley and Blaine Ipson. Warren Peterson showed a video of the 1983 flood that washed out the DMAD dam's spillway. Mr. Peterson said he needed to declare a conflict of interest and would refrain from participation as a Board member.

Craig Bagley, engineer from Bowen, Collins and Associates, informed the Board the company is requesting financial assistance to upgrade the dam to meet current state dam safety standards. The upgrade project will be constructed in two phases. Phase I will consist of an earth stability berm on the downstream face of the embankment plus a toe drain. Phase II will consist of improvements to the spillway. Dennis Strong said although dam safety projects are typically not done in phases, the seepage problem (sand boils) needs to be taken care of; the spillway can probably wait for a while.

Clyde Bunker requested the Board provide a 95% grant instead of staff's recommended 90%. He said all the Sevier River Basin dam safety projects have received 95% and DMAD would also like to receive 95%.

Harold Shirley made the motion to provide a grant in the amount of \$2.166 million (95%) for dam safety upgrades to the DMAD Company. Paul McPherson seconded the motion and the Board agreed unanimously. Warren Peterson abstained from voting.

## DIRECTOR'S REPORT

Director Anderson said the Board of Water Resources has always appointed or reappointed commissioners to the Bear River Commission. Charles Holmgren (commissioner) and Joseph Larsen (alternate) need to be reappointed. The Governor's office has agreed to their reappointment.

Blair Francis made the motion to reappoint Charles Holmgren as Commissioner on the Lower Bear River and Joseph Larsen as Alternate on the Lower Bear River. George Harmond, Jr. seconded the motion and it was unanimously agreed upon by the Board.

Eric Millis distributed copies of the Water Reuse Report to the Board Members and said staff would be making a presentation to the Legislators on the Water Study Task Force Committee next week.

#### NEXT BOARD MEETING

The next Board meeting will be held in Salt Lake City at the Department of Natural Resources Auditorium on August 12. On the morning of August 11 a retreat will be held followed by a tour of Red Butte Dam and a Briefing Meeting in the afternoon.

*Approved*  
MINUTES OF THE  
BOARD OF WATER RESOURCES  
BRIEFING MEETING  
April 29, 2005

Room 314  
Department of Natural Resources Meeting  
1594 West North Temple  
Salt Lake City, Utah

MINUTES OF THE  
BOARD OF WATER RESOURCES  
BRIEFING MEETING  
April 29, 2005 – 9:30 a.m.

THOSE PRESENT:

Harold Shirley  
Ivan Flint  
Warren Peterson  
Brad Hancock  
George Harmond, Jr.  
Paul McPherson  
John Carman  
Blair Francis

Larry Anderson, Director  
Dennis Strong, Deputy Director  
Eric Millis, Asst. Director  
Steve Wilde, Chief, Investigations  
Geralee Murdock, Administrative Secretary

Darin Bird, Deputy Director, Department of Natural Resources

Jerry Kinghorn  
Bruce Keeler  
Kathryn Howells  
Jerry Bidinger

Chair Harold Shirley welcomed everyone to the meeting.

Director Larry Anderson introduced the two new Board Members. Blair Francis is from Rich County and represents the Bear River District (Cache, Box Elder, Rich Counties), and is replacing Paul Riley. He is the first Board member to serve from Rich County. He runs a large ranch and is currently on the Bear River Commission and also the school board. Mr. Francis said it was an honor to be able to serve on the Board of Water Resources.

John Carman is replacing Bill Marcovecchio and represents the Salt Lake District (Salt Lake and Tooele Counties). Mr. Carman is the general manager of the Metropolitan Water District of Salt Lake and Sandy, and also the president of the Provo River Water Users Association. He previously worked as a water treatment plant operator. Mr. Carman said he was honored to serve with the distinguished members of the Board.

Jerry Kinghorn, Mayor Bruce Keeler, Kathryn Howells and Jerry Bidinger came to the meeting to explain Castle Valley's need for additional water. They are requesting division staff be allowed to work with them as Castle Valley wants to be considered for a portion of the Flaming Gorge water right when and if it becomes available.

Director Anderson asked if they had contacted the Grand County Water Conservancy District and asked them to assist Castle Valley. Mayor Keeler said they have talked with it about four months ago, and the district said it had plans for all the water it has available to it. Director Anderson suggested they go and talk with the district again as it has part of the Flaming Gorge water right and also some approved rights in the Colorado River. Mr. Anderson has been talking with the district and thinks it might reconsider.

Warren Peterson reported on the tour of Southern California's use of its Colorado River water. Paul McPherson, Paul Riley, Ivan Flint and Mr. Peterson were the Board members who attended along with Director Anderson, Dennis Strong, Eric Millis and several gentlemen from various water conservancy districts in the Colorado River Basin of Utah. He said it was a wonderful tour, very educational and recommended it to anyone who might get the opportunity in the future. Director Anderson said the top officials from each of the areas they toured came to meet them.

#### Feasibility Report Lincoln Culinary Water Corp.

Steve Wilde said the Lincoln Culinary Water Corp. had been before the Board 10-20 years ago for two projects. At this time it wants to augment its water supply by purchasing rights to, and collecting spring water in a tunnel in a nearby canyon, then piping it to the existing culinary system. The corporation plans to acquire water right 15-1653 from Kennecott Land Company for 0.122 cfs, up to 44.19 acre-feet, of tunnel spring flow. The project is estimated to

cost \$444,000. The repayment schedule takes into account the two existing projects being paid off in five years, and also the Board's affordability guideline.

#### Red Butte Dam

Dennis Strong explained the history of Red Butte Dam, and said the Central Utah Water Conservancy District is responsible for bringing it up to dam safety standards, and asked the division to do the design work. Mr. Strong said bids were opened on the 19<sup>th</sup> and awarded to Gerber Construction at \$3.6 million. The Board will be touring the dam in August.

#### Other Items

Director Anderson said the division has two new employees and one promotion. Eric Millis introduced Barbara Perry who is working in the Technical Services Section doing GIS work. Barbara said she had worked several years for AGRIC and was really glad to be working for the division.

Dennis Strong said Dan Aubrey replaced Ben Everitt, who retired, as Chief Geologist. Dan introduced Ed Fall, who took his place as staff geologist. He said they were extremely lucky to get someone of Ed's caliber and has lots of experience working with dams. Mr. Fall said he's lived in California, Arizona and now Salt Lake and has worked as a consultant. He said he is glad to have a steady job.

Meeting adjourned at 11:12 a.m.

*Approved*  
MINUTES OF THE  
BOARD OF WATER RESOURCES  
MEETING  
April 29, 2005

Auditorium  
Department of Natural Resources Building  
1594 West North Temple  
Salt Lake City, Utah



## TABLE OF CONTENTS

	<u>page</u>
SUMMARY OF BOARD ACTIONS .....	ii
THOSE PRESENT .....	iii
APPROVAL OF MINUTES .....	1
WATER SUPPLY REPORT .....	1
FEASIBILITY REPORT	
#D-165 Lincoln Culinary Water Co. ....	1
SPECIAL ITEMS	
#E-148 West Porterville Pipeline Co. ....	2
PLANNING ACTIVITIES .....	2
ELECTION OF OFFICERS .....	2
DIRECTOR’S REPORT.....	3
NEXT MEETING.....	3
Attachment	

## SUMMARY OF BOARD ACTIONS

1. The Minutes of the March 10, 2005 Board meeting was approved with a suggested addition to page 4. page 1
  
2. The Lincoln Culinary Water Corporation project was authorized in the amount of \$276,000 (62%) to be purchased in 13 years at 0% interest with an escalating repayment schedule. page 2
  
3. The Board decommitted the West Porterville Pipeline Co. project and withdrew it from further consideration. page 2
  
4. Ivan Flint was elected as chairman, and Brad Hancock as vice-chairman of the Board of Water Resources for the year 2005-06. page 2

## THOSE PRESENT

The Utah BOARD OF WATER RESOURCES met in regular session on Friday, April 29, 2005 in the Auditorium of the Department of Natural Resources Building, Salt Lake City, Utah. Chair Harold Shirley presided over the 2:00 p.m. meeting.

### BOARD MEMBERS PRESENT:

Harold Shirley, Chair  
Ivan Flint, Vice-chair  
Brad Hancock  
Warren Peterson  
John Carman  
Blair Francis  
George M. Harmond, Jr.  
Paul McPherson

### STAFF MEMBERS PRESENT:

D. Larry Anderson, Director  
Dennis Strong, Deputy Director  
Eric Millis, Assistant Director  
Steve Wilde, Chief, Investigations  
Todd Adams, Chief, Hydrology and Computer Applications  
Randy Staker, Accountant  
Dan Aubrey, Chief Geologist  
Ed Fall, Geologist  
Marisa Egbert, Engineer  
Shalaine DeBernardi, Engineer  
Geralee Murdock, Administrative Secretary

### OTHERS PRESENT:

Robin Thomas, Department of Natural Resources, Public Affairs Coordinator  
Ray Wilson, NRCS, Snow Survey  
  
Gary Walker, Lincoln Culinary Water Corporation  
Cliff Linford, EIT, Sunrise Engineering  
Doug Nielsen, Sunrise Engineering

*Approved*  
MINUTES OF THE  
BOARD OF WATER RESOURCES MEETING  
April 29, 2005

Chair Shirley called the meeting to order, and welcomed newly appointed Board members, John Carman, representing Salt Lake and Tooele counties, and Blair Francis, representing Box Elder, Cache, and Rich counties. He expressed appreciation to Bill Marcovecchio and Paul Riley for their past service on the Board. Mr. Shirley also introduced Robin Thomas, public affairs officer for the department who will also be helping Water Resources with its public affairs.

APPROVAL OF THE MINUTES

Warren Peterson made the motion to approve the minutes of the March 10, 2005, meeting with a suggested addition to page 4. Paul McPherson seconded the motion and the Board agreed unanimously.

WATER SUPPLY REPORT

Ray Wilson of the NRCS reported the snowpack situation is much improved throughout the state – near average in the north, and record high in the Uintas and in the south. Soil moisture is better than last year. Most reservoirs will fill. Streamflow ranges from near average in the north to two to three times the average in the south. He said the drought ranges from moderate in the extreme north to nonexistent in the southeast.

FEASIBILITY REPORT

#E-165 Lincoln Culinary Water Co.

Chair Shirley introduced Gary Walker, president; and Cliff Linford and Doug Nielson from Sunrise Engineering. Steve Wilde reported the company supplies culinary water for indoor and outdoor use to 140 active connections, including a church and fire department. Water is supplied by springs in Murray Canyon. The company is requesting financial assistance to augment its water supply by purchasing from Kennecott Land Co. rights to a spring in a tunnel, making improvements to the tunnel and collecting the spring water, then piping the water 2 ½ miles and tying the new 6-inch pipe to the existing culinary system. Technical assistance is being provided by Sunrise Engineering.

The project is estimated to cost \$444,000. The cost per connection per month meets the Board's affordability guideline amount, based on median adjusted gross income, of \$40.80.

The project will provide the sponsor an additional water source, and allow it to add seven connections. Even though there's a new connections waiting list larger than that, the corporation has no immediate plans to enlarge the water system to the degree necessary to accommodate all of those. The company has received Board assistance twice in the past and both projects will be paid off in 2010.

Gary Walker expressed appreciation to the Board for its consideration regarding their project and said purchasing the Kennecott Land Co. water will provide additional water for its community.

Director Anderson said the water corporation has a long list of people wanting to hook into its system and asked how it would choose who to let connect. Mr. Walker said in 1993 they started generating a list and will go down the list starting with number one.

John Carman made a motion to authorize the Lincoln Culinary Water Corporation project in the amount of \$276,000 (62%) to be purchased in 13 years at 0% interest with an escalating repayment schedule. Warren Peterson seconded the motion and the Board agreed unanimously.

## SPECIAL ITEMS

### #E-148 West Porterville Pipeline Co.

Ivan Flint said the Board committed \$27,000 to the company to drill and equip two small culinary water wells. The company subsequently decided to fund the project itself by making a special one-time assessment. Mr. Flint made the motion to decommit the West Porterville Pipeline Co. project and withdraw it from further consideration by the Board. George Harmond, Jr. seconded the motion and it was unanimously agreed upon by the Board.

## PLANNING ACTIVITIES

Eric Millis passed out a list of Planning Branch Activities (copy attached) and reviewed them with the Board.

## ELECTION OF OFFICERS

Warren Peterson made the motion to elect Ivan Flint as Chairman and Brad Hancock as Vice-chairman for 2005-06. George Harmond, Jr. seconded the motion and the Board unanimously agreed.

Director Anderson thanked Harold Shirley for his support of the staff and for the fine job he did as Chairman. He also congratulated Ivan and Brad on their appointment and said staff looks forward to working with them.

## DIRECTOR'S REPORT

Director Anderson stated the Bear River Commission met on April 19. They meet twice a year usually in Salt Lake City. He said the commission is concerned about the elevation of Bear Lake. It is currently at elevation 5903 and no water will be delivered out of Bear Lake below elevation 5904. Last year the farmers received an allocation of 85,000 acre-feet of water; the average allocation out of Bear Lake is about 240,000 acre-feet of water for farmers. Last year most of the farmers were wise and did not plant corn and therefore made it through the year in good shape. This year should be a better year as Bear Lake should rise to close to elevation 5907.5.

Director Anderson reported the Western States Water Council met in Boise, Idaho on April 20-22; he reviewed the tour and the meeting with the Board.

Mr. Anderson said he and Robert King had been meeting with the Colorado River Basin States trying to come to an agreement on a joint recommendation to the Secretary of Interior for mid-year review of releases out of Lake Powell. For the first time in a long time the states did not reach agreement so the states sent separate letters to the Secretary. He said the states are still talking and will continue meeting to try to figure out ways to operate the Colorado River as efficiently as possible. He said he didn't expect the Secretary of Interior to make any changes in the operations of Lake Powell this year.

## NEXT MEETING

The next meetings of the Board of Water Resources will be June 9 with a tour of the West Desert and a Board meeting in Delta on June 10.

Meeting adjourned at 3:20 p.m.